



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 22, 2016

Amy Plato Roberts
Authorized Agent to DSM Food Specialties B.V.
Technology Sciences Group, Inc.
1150 18th Street, NW
Suite 1000
Washington, D.C. 20036

Subject: Pesticide Registration Improvement Act (PRIA) Labeling Amendment - To Add Post-harvest Treatment to Citrus, Pome and Stone Fruit Crop Groups, Avocado, Kiwi, Mango, and Pomegranates
Product Name: Natamycin L
EPA Registration Number: 87485-2
Application Date: September 14, 2015
OPP Decision Number: 509324

Dear Ms. Roberts:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable under FIFRA section 3(c)(5).

You must submit and/or cite all data required for registration or registration review of your product when the U.S. Environmental Protection Agency (EPA) requires all registrants of similar products to submit such data.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution

of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Cheryl Greene by phone at (703) 308-0352 or via email at greenes.cheryl@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name "Andrew" and last name "Bryceland" clearly legible.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

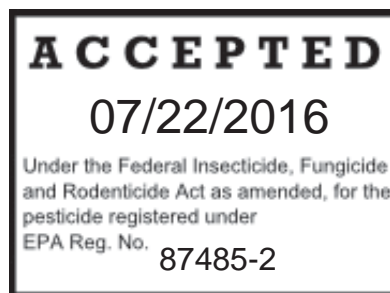
MASTER LABEL

Natamycin L

Alternate Brand Names: Zivion™ M, BIOSPECTRA 100SC, BIOSHIELD 100SC, Nature's Shield 100SC

Sublabel A: Agricultural Use-Mushrooms
Sublabel B: Postharvest Use

EPA Registration Number: 87485-2



Sublabel A: Agricultural Use-Mushrooms**Natamycin L**

Alternate Brand Names: Zivion™ M

Liquid Suspension Formulation - For Agricultural Use Only

For use to control Dry Bubble Disease caused by *Verticillium fungicola* in enclosed mushroom production facilities**ACTIVE INGREDIENT:**

Natamycin 10.34%

OTHER INGREDIENTS: 89.66%

Total: 100.00%

CAUTION**KEEP OUT OF REACH OF CHILDREN**

See side/back panel for precautionary statements.

FIRST AID**IF SWALLOWED**

- Call a poison control center or doctor immediately for treatment advice.
- Have a person sip a glass of water if able to swallow
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF IN EYE

- Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information call: Poison Control Center Emergency Number, 1-800-222-1222, 24 hours a day, 7 days a week.

Manufactured by:

DSM Food Specialties B.V.

PO Box 1

2600 MA Delft

The Netherlands

+31 (0)15 279 34 74

Questions?

Phone: 1-574-232-5000

Fax: 1-574-232-2468

Net Contents: 0.26 Gallon (1 liter)

This product contains 0.93 pounds of Natamycin per gallon

EPA Registration Number: 87485-2

EPA Est. No.: 87485-FRA-01

Batch/Lot Code:

Production Date:



Natamycin L

Liquid Suspension Formulation- For Agricultural Use Only

For use to control Dry Bubble Disease cause by *Verticillium fungicola* in enclosed mushroom room production facilities

<p style="text-align: center;">PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)</p>
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CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Handler Personal Protective Equipment (PPE)

Mixers, Loaders, Applicators and all others handlers must wear:

- Protective eyewear
- Long sleeved shirt
- Long pants
- Socks plus shoes

Statement for Contaminated PPE

Follow the manufacturer's instructions for cleaning/maintaining PPE.

If no such instructions for washables, use detergent and hot water.

Keep and wash PPE separately from other laundry.

<p>User Safety Recommendations</p> <ul style="list-style-type: none"> • Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer system without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may in the area during application. For any requirement specific to your State and Tribe, consult the State/Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water), is:

- Protective eyewear
- Long-sleeved shirt and long pants
- Shoes plus socks

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 4 hours.

GENERAL INFORMATION

Natamycin L is a stable aqueous suspension of Natamycin crystals, a natural fermentation product of *Streptomyces natalensis*. The active ingredient, Natamycin, is a fungistat that acts as a barrier to entry of fungal disease by preventing germination of fungal spores and inhibiting beginning growth of hypha. **Natamycin has no effect against other types of microorganism**, nor against fungal mycelium once growth begins. This product is formulated for use in enclosed mushroom production facilities for the control of Dry Bubble Disease caused by *Verticillium fungicola* in mushroom production beds.

MIXING INSTRUCTIONS:

Measure the amount of Natamycin L to be applied based on the area to be treated (see rates and timing on next page). Add Natamycin L while stirring to the volume of water to be applied, or to a smaller volume that is then added to more water to make the expected final volume. Continuously stir the treatments solution unless it is to be applied immediately.

APPLICATION INSTRUCTIONS:

Do not apply this product by chemigation. Apply the final dilution by hand or through automatic watering systems. See additional application instructions below.

For use in mushroom production.

Target Pest	Dry Bubble Disease (<i>Verticillium fungicola</i>)
Application Time	May be applied: 1) Immediately after casing 2) After flushing 3) Between first and second breaks 4) Between second and third breaks
Application Rate After Casing	Apply Natamycin L at the rate of 3.1 to 6.3 fl. oz per 1000 square feet as a surface drench once at any time after the casing layer has been applied and before flushing, using sufficient water to ensure an even application.
Application Rate After Flushing	Apply Natamycin L at the rate of 3.1 to 6.3 fl. oz per 1000 square feet as a surface drench once at any time after flushing up until 6 hours (6-hour PHI) before picking begins, using sufficient water to ensure an even application.
Application Rate When Applied Between Breaks	Apply Natamycin L at the rate of 3.1 to 6.3 fl. oz per 1000 square feet as a surface drench at any time between each set of breaks, up until 6 hours (6-hour PHI) before picking begins, using sufficient water to ensure an even application. Do not apply to mushrooms remaining on the beds that will be harvested within 6 hours after application. Do not apply to mushrooms remaining more than one time between each set of breaks.
Maximum Number of Applications	4 applications maximum
Pre-Harvest Interval	DO NOT apply within 6 hours of harvest.
Disposal of Compost & Casing	All spent medium must be steamed within the mushroom house at the end of each production run for no less than 12 hours at a temperature of 150°F (65°C) or greater before disposal outdoors.
Additional Comments	Natamycin L is to be used preventatively for control of Dry Bubble Disease (<i>Verticillium fungicola</i>). Make application prior to or in early states of disease development. Integrate Natamycin L into an overall disease management strategy. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies, developed for specific mushroom crops and locations.
For Answers to Grower Questions, Call	Phone: 1-574-232-5000 Fax: 1-574-232-2468

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:

Store in original container in a cool, dry, dark place.

PESTICIDE DISPOSAL:

To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER DISPOSAL:**For containers less than or equal to 5 gallons:**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drop. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drop. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

For containers greater than 5 gallons:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY STATEMENT

The directions for use of this product are believed to be adequate and must be followed, carefully, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence of absence of other materials, or the manner of use or application, all of which are beyond the control of DSM Food Specialties B.V., the manufacturer, or the seller.

To the extent consistent with applicable law, the products sold to you are furnished "as is" by DSM Food Specialties B.V. To the extent consistent with applicable law, the manufacturer and the seller are subject only to the manufacture's warranties, if any, which appear on the label of the product sold to you. To the extent consistent with applicable law, except as warranted by this label, DSM Food Specialties B.V., the manufacturer, or the seller makes no warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility

of the product for any particular trade usage. To the extent consistent with applicable law, buyer's or user's exclusive remedy, and DSM Food Specialties B.V., the manufacturer's or the seller's total liability shall be limited to damages not exceeding the cost of the product. No agent or employee of DSM Food Specialties B.V., or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product.

To the extent consistent with applicable law, DSM Food Specialties B.V., the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties.



Sublabel B: Postharvest Use

Natamycin L

Alternate Brand Names: BIOSPECTRA 100SC, BIOSHIELD 100SC, Nature's Shield 100SC

For use to control several postharvest diseases on citrus, pome, and stone fruit crop groups, avocado, kiwi, mango and pomegranate

ACTIVE INGREDIENT:

Natamycin* 10.34%

OTHER INGREDIENTS: 89.66%

Total: 100.00%

*CAS No. 7681-93-8

Contains 0.93 lbs Natamycin per gallon.

CAUTION

KEEP OUT OF REACH OF CHILDREN

See side/back panel for precautionary statements.

FIRST AID	
IF SWALLOWED <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. 	IF IN EYE <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information call: Poison Control Center Emergency Number, 1-800-222-1222, 24 hours a day, 7 days a week.</p>	

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Questions?

Phone: 1-574-232-5000

Fax: 1-574-232-2468

Net Contents:

EPA Registration Number: 87485-2

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Mixers, Loaders, Applicators and all others handlers must wear:

- Protective eyewear
- Long sleeved shirt
- Long pants
- Socks plus shoes
- Water proof gloves

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer system without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may in the area during application. For any requirement specific to your State and Tribe, consult the State/Tribal agency responsible for pesticide regulation.

GENERAL INFORMATION

Natamycin L is a stable aqueous suspension containing Natamycin, a natural fermentation product of *Streptomyces natalensis*. Natamycin is classified as a macrolide polyene antifungal compound and has a unique mode of action binding to ergosterol which is present in the cell membranes of yeasts and fungi preventing germination of fungal spores and inhibiting beginning growth of hypha. Natamycin has no effect against other types of microorganism or against fungal mycelium once growth begins.

FUNGICIDE RESISTANCE MANAGEMENT

Use of Natamycin L should be integrated into an overall disease management program within each packinghouse. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of postharvest resistance management strategies should be practiced. These may include rotating and/or tank mixing with product having different modes of action. Responsible resistance management practices are necessary to ensure the long-term effectiveness for decay control.

MIXING INSTRUCTIONS

Fill tank with half of the required amount of water or water wax and start mechanical agitation. Add the required amount of Natamycin L and then add the remaining volume of water or water wax. Maintain agitation after mixing and do not allow treating solution to stand overnight or for prolonged periods. For in-line injection systems better distribution will be achieved by injecting a larger volume of a more dilute solution per unit of time.

The physical compatibility of Natamycin L with all tank mix partners and wax types has not been fully investigated. This product cannot be mixed with any product containing a label prohibition against such mixing. Follow the more restrictive labeling requirements of any tank mix partner. No label dosage rates for the individual products may be exceeded.

Prior to tank mixing with Natamycin L, conduct a jar test with the volumes and rates typically used for postharvest disease control. Add proportionate amounts of the products to a small container of water or water wax in the following order: Wettable powders and water-dispersible granules first, followed by liquid flowables, and emulsifiable concentrates last. After thorough mixing, let stand for at least 15 minutes. Separation, globules, sludge, flakes or other precipitates are indicative of physical incompatibility. Physical compatibility is indicated if the combination remains mixed or can be remixed readily.

THE CROP SAFETY OF ALL POTENTIAL PESTICIDE TANK MIXES WITH NATAMYCIN L INCLUDING ANTI-SCALD AGENTS AND WAXES, HAS NOT BEEN TESTED ON ALL CROPS AND VARIETIES. BEFORE APPLYING ANY TANK MIXTURE, CONFIRM SAFETY TO THE TARGET CROP BEFORE USE.

CROP USE DIRECTIONS

CITRUS: Calamondin (*Citrus mitis*, *Citrofortunella mitis*), Citrus citron (*Citrus medica*), Citrus hybrids (*Citrus spp.*) (includes chironja, tangelo, tangor), Grapefruit (*Citrus paradise*), Kumquat (*Fortunella spp.*), Lemon (*Citrus jambhiri*, *Citrus limon*), Lime (*Citrus arantiifolia*), Mandarin (tangerine) (*Citrus reticulata*), Orange, sour (*Citrus aurantium*), Orange, sweet (*Citrus sinensis*), Pummelo (*Citrus grandis*, *Citrus maxima*), Satsuma mandarin (*Citrus unshiu*), and all cultivars and hybrids.

Use Natamycin L as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Green or Blue mold (*Penicillium spp.*)
- Sour rot (*Geotricum citri-aurantii*, *Geotricum candidum*)
- Gray mold (*Botrytis cinerea*)
- Mucor rot (*Mucor spp.*)

Application Method	Disease	Rate fl.oz	Directions
In-Line Dip/drench	Green mold Blue mold Sour rot Gray mold Mucor rot	57-114 fl. oz./ 100 gals	<ul style="list-style-type: none">• Ensure proper coverage of fruit.• Mix 57-114 fl. oz. in 100 gals of water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion• For in-line dip or drench applications, treat fruits for 10 seconds and allow the fruit to drain.
In-line Aqueous or Fruit Coating Spray Application		57-114 fl. oz./ 100 gals	<ul style="list-style-type: none">• Ensure proper coverage of fruit.• Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion.
<ul style="list-style-type: none">• Clean citrus fruits treated by aqueous or wax line spray applications prior to application.			

POME FRUIT: Apple (*Malus domestica*), Crabapple (*Malus spp.*), Loquat (*Eriobotrya japonica*), Mayhaw (*Crataegus azarolus*), Pear (*Pyrus communis*), Oriental pear (*Pyrus spp.*), Quince (*Chaenomeles spp.*) and cultivars, varieties and/or hybrids of these.

Use Natamycin L as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Blue mold (*Penicillium expansum*)
- Gray mold (*Botrytis cinerea*)
- Mucor rot (*Mucor piriformis*)
- Sphaeropsis rot (*Sphaeropsis pyriputrescens*)
- Phacidiopycnis rot (*Phacidiopycnis piri*)
- Speck rot (*Phacidiopycnis washingtonensis*)

Application Method	Disease	Rate fl.oz.	Directions
Bin/Truck Drench or In-Line Dip/Drench or Flooders	Blue mold Gray mold Mucor rot Sphaeropsis rot Phacidiopycnis rot Speck rot	57-114 fl. oz./ 100 gals	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix in 57-114 fl. oz. in 100 gals of water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion • For in-line dip or drench applications, treat fruits for 10 seconds and allow the fruit to drain.
In-line Aqueous or Fruit Coating Spray Application		57-114 fl. oz./ 100 gals	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion. • Use T-jet, CDA or similar application system.

STONE FRUIT: Apricot (*Prunus armeniaca*), Nectarine (*Prunus persica*), Peach (*Prunus persica*), Plum, Chickasaw (*Prunus agustifolia*); Plum, Damson (*Prunus domestica spp. insititia*);

Plum, Japanese (*Prunus salicina*); Plumcot (*Prunus armeniaca* x *P. domestica*); Prune (fresh)(*Prunus domestica*, *Prunus spp.*); as well as all other cultivars and hybrids of these.

Use Natamycin L as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Brown rot (*Monilinia spp.*)
- Gray mold (*Botrytis cinerea*)
- Sour rot (*Geotricum spp.*)
- Rhizopus rot (*Rhizopus spp.*)

Application Method	Disease	Rate fl.oz	Directions
In-line Dip/Drench	Brown rot Gray mold Sour rot Rhizopus rot	57-114 fl. oz./ 100 gals	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix 57-114 fl. oz. in 100 gals of water, wax/emulsion, or aqueous dilution of wax/oil emulsion. • Dip for 10 seconds and allow the fruit to drain.
In-line Aqueous or Fruit Coating Spray Application		28-114 fl. oz./ 200,000 lbs of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion. • Use T-jet, CDA or similar application system.

CHERRIES: Cherry, sweet (*Prunus avium*); Cherry, tart (*Prunus cerasis*); and all other cultivars and hybrids of these.

Use Natamycin L as a post-harvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Brown rot (*Monilinia spp.*)
- Gray mold (*Botrytis cinerea*)

Application Method	Disease	Rate fl.oz	Directions
In-line Aqueous or Flooder Application High volume application	Brown rot Gray mold	28-114 fl. oz./ 50,000 lbs of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix 28-114 fl. oz. in 100 gals of water, wax/emulsion, or aqueous dilution of wax/oil emulsion. • Use flooder, T-jet or similar application system

AVOCADO

Use Natamycin L as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Anthracnose (*Colletotrichum spp.*)
- Stem end rot (*Dothiorella spp.*)

Application Method	Disease	Rate fl.oz	Directions
In-Line Dip /Drench	Anthracnose Stem end rot	57-114 fl. oz./ 100 gals	<ul style="list-style-type: none"> • Ensure proper coverage of fruit • Mix 57-114 fl. oz. in 100 gals of water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion • For in-line dip or drench applications, treat fruits for 10 seconds and allow the fruit to drain.
In-line Aqueous or Fruit Coating Spray Application		57-114 fl. oz./200,000 lbs of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion.

KIWI

Use Natamycin L as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Botrytis fruit rot (*Botrytis cinerea*)

Application Method	Disease	Rate fl.oz	Directions
In-Line Dip /Drench	Botrytis fruit rot	57-114 fl. oz. /100 gals	<ul style="list-style-type: none"> • Ensure proper coverage of fruit • Mix 57-114 fl. oz. in 100 gals of water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion • For in-line dip or drench applications, treat fruits for 10 seconds and allow the fruit to drain.
In-line Aqueous or Fruit Coating Spray Application		57-114 fl. oz./200,000 lbs of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion.

MANGO

Use Natamycin L as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Anthracnose (*Colletotrichum spp.*)
- Stem end rot (*Dothiorella spp.*)

Application Method	Disease	Rate fl.oz	Directions
In-Line Dip /Drench	Anthracnose Stem end rot	57-114 fl. oz./ 100 gals	<ul style="list-style-type: none"> • Ensure proper coverage of fruit • Mix 57-114 fl. oz. in 100 gals of water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion • For in-line dip or drench applications, treat fruits for 10 seconds and allow the fruit to drain.
In-line Aqueous or Fruit Coating Spray Application		57-114 fl. oz./200,000 lbs of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion.

POMEGRANATE

Use Natamycin L as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Botrytis fruit rot (*Botrytis cinerea*)
- Blue mold (*Penicillium expansum*)

Application Method	Disease	Rate fl.oz	Directions
In-Line Dip /Drench	Botrytis fruit rot Blue mold	57-114 fl. oz. /100 gals	<ul style="list-style-type: none"> • Ensure proper coverage of fruit • Mix 57-114 fl. oz. in 100 gals of water, wax/oil emulsion, or aqueous dilution of wax oil/emulsion • For in-line dip or drench applications, treat fruits for 10 seconds and allow the fruit to drain.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:

Store in original container only in a cool, dry, dark place.

PESTICIDE DISPOSAL:

To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING:

For containers less than or equal to 5 gallons:

Nonrefillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drop. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drop. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

For containers greater than 5 gallons:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY STATEMENT

The directions for use of this product are believed to be adequate and must be followed, carefully, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence of absence of other materials, or the manner of use or application, all of which are beyond the control of DSM Food Specialties B.V., the manufacturer, or the seller.

To the extent consistent with applicable law, the products sold to you are furnished "as is" by DSM Food Specialties B.V. To the extent consistent with applicable law, the manufacturer and the seller are subject only to the manufacturer's warranties, if any, which appear on the label of the product sold to you. To the extent consistent with applicable law, except as warranted by this label, DSM Food Specialties B.V., the manufacturer, or the seller makes no warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility

of the product for any particular trade usage. To the extent consistent with applicable law, buyer's or user's exclusive remedy, and DSM Food Specialties B.V., the manufacturer's or the seller's total liability shall be limited to damages not exceeding the cost of the product. No agent or employee of DSM Food Specialties B.V., or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product.

To the extent consistent with applicable law, DSM Food Specialties B.V., the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties.



Optional Label Claims

Postharvest Fungicide

Postharvest Fungicide for Citrus, Pome, and Stone Fruit Crop Groups, Avocado, Kiwi, Mango and Pomegranates

A flowable suspension concentrate

Postharvest Fungicide for Drench and Dip Treatment